Colony of Seychelles.

ANNUAL REPORT

OF THE

MEDICAL DEPARTMENT

FOR THE

YEAR 1919.

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VICTORIA.

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ANNUAL REPORT
OF THE
MEDICAL DEPARTMENT
FOR THE YEAR 1919.

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CHAPTER I.

Vital Statistics.

Estimated Population.—The estimated population of the Colony at the end of the year was 24,653, being an increase of 81 on that of last year.

Annexure I shows the number of arrivals and departures from the Colony and the number of births and deaths during the year.

Birth rate.—The total number of births registered for the year was 618 being 25·19 per thousand of the estimated population, lower than last year when it was 26·13 per thousand.

Death rate.—The total number of deaths for the year was 414, a mortality of 16·84 per thousand lower than last year when it was 418 and 17·04 per thousand.

Still-births.—There were 38 cases of still-births during the year.

The number of children who died under 5 years of age was 91 and of these 41 were under the age of one. Last year the number was 104 and 49 respectively.

CHAPTER II.

Meteorological Statistics.

Mean Temperature.—The mean temperature for the year was 80·5 higher than last year when it was 79·1.

The hottest month was April and the coolest November.

During the year, the months of January and May were the wettest and the driest were August and November.

Rainfall.—The yearly rainfall was 101·01 higher than last year when it was 82·79 inches.

Winds.—The S. E. trades blew with an average force during the year.

Annexure II shows the monthly temperature, rainfall and deaths.

CHAPTER III.

Diseases prevalent during the year.

Dengue Fever.—There was a mild epidemic of dengue fever during the early months of the year. The cases were for the most part of a mild type and many were typical in course and symptoms.

Epidemic Influenza.—The Colony remained free from the worldwide epidemic of Influenza until the month of April 1919. Before this date several ships touched at Seychelles having cases on board but strict quarantine was imposed on them and infection was prevented.

On April 9th a vessel arrived from Bombay having a large number of Indian deck passengers on board. The Medical Officer of the ship declared that there had no cases of Influenza amongst them but as small-pox was epidemic in Bombay the vessel was put in quarantine.

A gang of 30 Seychelles labourers was taken on board to work the cargo and were sent to quarantine on the departure of the vessel. The vessel remained in harbour for 28 hours and then sailed for Mombasa.

A few days later a telegram was received from the Health Officer of Mombasa stating that the vessel had arrived at that port with epidemic influenza on board, the average run from Seychelles to Mombasa is about 3½ days. It is therefore highly probable that the epidemic started on board the vessel before her arrival in Seychelles and was not recognised by the Medical Officer.

Three days after the arrival of the labourers at the quarantine Island cases of Influenza occurred amongst them and within a few days about two-thirds of them were infected. On April 20th cases began to be seen on the main land, and an epidemic started and spread with extraordinary rapidity and within a week infection was general all over the island. In the town of Victoria and the more densely populated parts of the country, few families escaped infection, but in the more remote country districts the rate of infection was not so high.

It is impossible to trace exactly how infection was brought to the main land, the distance of the Quarantine Island from Mahé is about 3½ miles and there was no direct communication with any person on the island; the provisions etc., were placed in a boat anchored off the Island and were not removed until the boat bringing them had departed.

Beyond the labourers and the Health Officer (who was not infected) nobody boarded the vessel in Quarantine, but boats were allowed alongside; it seem possible therefore that the infection arose from passengers suffering from the disease expectorating over the side into the boats.

The epidemic caused 115 deaths. This is about 0·48 per 100 of the population.

The age incidence of deaths is shewn in the following table :—

Age	No of deaths
under 5	22
5—10	7
10—20	6
20—30	26
30—40	21
40—50	16
50—60	9
60—70	5
over 70	3

There were no special features about the cases; the large majority of the deaths were due to broncho-pneumonia.

Leaflets were distributed amongst the people advising the precautions to be taken and the general outlines of the treatment and every thing was done in way of making it as easy for the poorer people to obtain necessary drugs.

A considerable amount of suitable food was distributed with the kindly aid of the Sisters of the St Joseph de Cluny who established distributing kitchen in the districts.

A heavy strain was thrown on the Medical staff already undermanned, more especially as the Medical Officer of Praslin who was in Mahé at the commencement of the epidemic fell an early victim to the disease and was unable to return to his district till the disease was dying out, fortunately for the people of this district Dr J. F. Kendrick the representative of the International Health Board who was working there on his Ankylostomiasis campaign at the time gave invaluable help.

The epidemic was finished by the end of May.

Lobar pneumonia.—Lobar-pneumonia has been much more common in Seychelles recently than was the case in former years; formerly it was a rare disease but now a considerable number of cases occur. I think the increase can be dated from the return of the Seychelles Labour force in 1917 from East Africa, many of these men had the disease on their arrival and must have carried infection with them.

CHAPTER IV.

State of the town of Victoria.

Many improvements were made in the town of Victoria during the year, places which for some years had been lying in an untidy and dirty condition were filled in and planted out as Public Gardens to the great benefit of the town and its inhabitants.

CHAPTER V.

Vaccination.

I stated in my last report that the situation as regards vaccine was most unsatisfactory, the lymph obtained from Bombay proving valueless. The Society of Apothecaries of London were therefore asked to forward a monthly supply by ordinary registered letter post, this has worked extremely well; the lymph arrives in a fully active condition.

CHAPTER VI.

Quarantine.

The Quarantine Station was used on several occasions but with the exception of Influenza mentioned above there was no outbreak of infectious disease.

CHAPTER VII.

Hospital and Dispensaries.

In-Patients.—The number of patients treated in the Victoria Hospital was 723 less than last year when it was 748.

Out-Patients.—The total attendance of the out-patients treated during the year was 4,739 an increase of 1,156 on last year.

Maternity Home.

Patients.—The number of patients admitted was 213.

The number of babies born was 126.

There were two cases of twin-birth.

There was need for instrumental delivery in three cases. Chloroform was given 14 fourteen times.

The was one case of puerperal eclampsia.

Pauper Camp.

During the month of October the Fiennes Institute for paupers was opened and the pauper inmates of Round Island was transferred thereto. Their lot at Round Island was a hard one. The island is a remote and dreary spot and the paupers consisting of very old or those who from infirmity were unable to earn their own living and had no friends or relatives to support them, were practically banished from the world. The new Institute is situated at about two miles from Victoria and comprises comfortable dwellings and grounds and is an enormous improvement on the old camp, and is greatly appreciated by the inmates.

The Institute is planed to hold 121 inmates.

CHAPTER VIII.

Staff.

During June the Assistant Medical Officer of Praslin resigned his appointment at short notice, the Medical staff being reduced to two, the vacancy not being filled up till the last days of the year, when Dr R. Brault arrived.

A second European Nurse for the Maternity Home, Miss J. R. Lloyd, was appointed to replace Miss Leonard who left some years ago.

J. B. ADDISON,
Chief Medical Officer.

Seychelles, 4th February 1920.

ANNEXURE I

	Males	Females	Total	Ages at which Death has occurred.											
				Under 1 year		1 to 5 years		to 70 years		70 to 100 years		Over 100 years		Total	
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Estimated Population on 31st December 1919 ...	12,229	12,343	24,572												
Births during 1919 ...	315	303	618												
Arrivals during 1919 ...	239	66	305	23	18	21	29	137	116	32	36	1	1	214	200
Decrease by deaths ..	214	200	414	41		50		253		68		2		414	
Decrease by departures ..	312	117	429												
Estimated population on 31st December 1919 ...	12,257	12,396	24,653												
Net increase during 1919 ...	28	53	81												

Birth rate during 1919 per thousand 25·19 o/o.
Death rate „ „ „ 16·84 o/o.

ANNEXURE II

Meteorological Returns for 1919

1919	Temperature							Rainfall		Winds		Deaths	
Months	Barometer	Solar Maximum	Minimum on grass	Shade Maximum	Shade Minimum	Range	Mean	Amount in Inches	Depth of Humidity	Directions of Wind	Average force	Deaths per month	Remarks
January ...	30.129	109.8	72.3	84.1	78.0	6.1	80.0	18.02		NW.	4.3	38	
February ...	30.116	107.9	72.7	83.9	78.1	5.8	81.0	11.94		NW.	6.0	37	
March ...	30.132	115.6	73.6	84.6	79.1	5.5	81.8	12.86		NE.	4.8	28	
April ...	30.091	122.1	74.8	86.1	80.1	6.0	83.1	6.56		NW.	5.3	32	
May ...	30.095	117.9	74.6	84.9	79.8	5.1	82.3	13.42		SE.	8.8	113	
June ...	30.120	116.2	72.9	83.3	79.1	4.2	81.2	9.25		SE.	9.9	32	
July ...	30.116	112.4	71.1	80.7	76.9	3.8	78.8	4.76		SE.	15.2	29	
August ...	30.160	119.8	73.6	80.2	75.9	4.3	78.0	0.44		SE.	13.3	18	
September ...	30.128	120.0	72.4	81.1	77.3	3.8	79.2	4.85		SE.	13.2	21	
October ..	30.155	114.	71.3	82.6	79.4	3.2	81.0	5.05		SE.	7.3	26	
November ...	30.103	118.9	70.9	84.0	77.3	6.7	80.6	1.23		S.	5.1	21	
December ...	30.094	107.5	71.0	83.2	77.8	5.4	80.5	12.66		NW.	6.3	19	

ANNEXURE III.

Return of Patients Treated at the Dispenseries.

Month	Victoria Hospital		Anse Royale		Anse Boileau		Praslin		Total
	M	F	M	F	M	F	M	F	M & F
January ..	104	186	21	23			7	26	367
February ..	84	178	17	20			13	21	333
March ...	97	205	17	24			12	19	374
April ...	93	203	16	21			6	...	339
May ...	109	290	146	138			60	108	851
June ..	68	196	17	26					307
July ...	83	188	12	17					300
August ...	100	240	18	18					376
September ...	127	310	16	19					472
October ...	93	254	23	22					392
November ...	69	193	18	5					285
December ...	92	205	18	28					343
Total ...	1,119	2,648	339	361			98	174	4,739

Result of Cases Treated at the Victoria Hospital.

Sexes.	Remaining in Hospital at the end of 1918.	Admitted during 1919.	Total treated.	Cured.	Relieved.	Unrelieved.	Died	Remaing at the end of of 1919.	Total.
Males ...	31	510	541	447	19	13	37	25	541
Females ...	7	175	182	145	9	4	17	7	182
Total ...	38	685	723	592	28	17	54	32	723

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Return of Diseases and Deaths in 1919 at the Victoria Hospital.

Diseases.		Remaining in Hospital at end of 1918.	Yearly Total. Admissions	Yearly Total. Deaths	Total Cases Treated.	Remaining in Hospital at end of 1919.	Remarks.
GENERAL.							
Anæmia	...	3	21	1	24	...	
Beriberi	...	...	1	...	1	...	
Carcinoma	...	...	4	1	4	...	
Cancer of Liver	...	...	1	...	1	...	
Dengue	...	...	1	...	1	...	
Debility	..	...	12	...	12	3	
Diabetes	...	1	1	...	2	...	
Dysentery	...	...	22	3	22	...	
Epithelioma	...	1	1	...	2	...	
Erysipelas	...	...	1	...	1	...	
Febricula	...	...	21	...	21	2	
Influenza	...	...	57	...	57	...	
Gonorrhœa	...	...	3	...	3	...	
Leprosy	...	...	1	...	1	...	
Malaria	...	...	4	...	4	...	
Marasmus	...	...	1	1	1	...	
Meningitis	...	...	5	5	5	...	
Old Age	...	2	18	3	20	...	
Rheumatism	...	1	17	...	18	1	
Syphilis	...	1	4	...	5	...	
Tuberculosis	...	1	5	...	6	2	
Septicæmia	...	...	1	...	1	1	
BONE.							
Necrosis	...	1	1	...	2	...	
EAR.							
Otitis Media	...	...	1	...	1	...	
NOSE.							
Epistaxis	...	...	2	...	2	...	
NERVOUS.							
Cerebral Tumour	...	...	1	...	1	1	
Cerebral Hemorrrhage	...	...	2	2	2	...	
Epileptic fits	...	...	1	1	1	...	
Hysteria	...	...	4	...	4	...	
Headache	...	...	1	...	1	...	
Mania	...	...	2	...	2	...	
Neuritis	...	1	4	...	5	1	
Neurasthenia	...	...	1	...	1	...	
Neuralgia	...	...	1	...	1	...	
Paralysis	...	2	6	1	8	2	
EYE.							
Conjunctivitis	...	...	5	...	5	1	
Supurative Opthalmia	...	...	1	...	1	...	
CIRCULATORY.							
Aneurysm	...	3	1	1	4	...	
Valvular disease	...	...	18	3	18	...	
Carried forward	...	17	254	22	271	14	

Return of Diseases and Deaths in 1919 at the Victoria Hospital.

Diseases.	Remaining in Hospital at end of 1918.	Yearly Total.		Total Cases Treated.	Remaining in Hospital at end of 1919.	Remarks.
		Admissions	Deaths			
Brought forward ...	17	254	22	271	14	
RESPITORY.						
Asthma ...	...	5	...	5	...	
Bronchitis ...	3	20	1	23	...	
Coryza ...	...	1	...	1	...	
Empyema ...	1	2	1	3	...	
Hæmoptysis ..	...	1	...	1	...	
Phthisis ...	...	7	3	7	...	
Pleurisy ...	...	5	...	5	1	
Pneumonia & Influenzal Pneumonia ...	...	30	20	30	1	
DIGESTIVE.						
Appendicitis ...	...	1	1	1	...	
Ascites ...	...	2	...	2	1	
Liver Abscess ...	...	1	...	1	...	
Constipation ...	3	12	...	15	...	
Colic ...	...	5	...	5	...	
Hepatitis ...	...	3	...	3	...	
Cirrhosis of Liver ...	...	1	...	1	...	
Caries Dental ...	...	1	..	1	...	
Diarrhœa ..	1	9	1	10	...	
Dyspepsia ...	...	5	...	5	...	
Enteritis ...	...	2	1	2	...	
Gastritis ...	...	1	...	1	...	
Hernia	...	10	...	10	1	
,, Strangulated ...	...	1	...	1	...	
Intestinal Obstruction ...	...	2	...	2	1	
Jaundice ...	...	4	...	4	...	
Stricture of Rectum ...	..	2	...	2	...	
Vomiting ...	...	3	...	3	...	
LYMPHATIC.						
Glands enlarged ...	...	1	...	1	...	
URINARY.						
Cystitis ...	...	5	...	5	...	
Kidney disease ...	1	2	...	3	...	
Perinephritic tumour ...	...	1	...	1	...	
Retention of Urine ...	...	6	...	6	...	
GENERATINE MALE.						
Epididymitis ...	...	1	...	1	...	
Extravasation of Urine ...	...	1	1	1	...	
Hydrocele ...	...	3	...	3	...	
Orchitis ...	...	4	...	4	...	
Priapism Chronic ...	...	1	...	1	...	
Stricture of Urethra ...	...	1	...	1	...	
Carried forward ...	26	416	51	442	19	

Return of Diseases and Deaths in 1919 at the Victoria Hospital.

Diseases.	Remaining in Hospital at end of 1917.	Yearly Total. Admissions.	Yearly Total. Deaths.	Total Cases Treated	Remaining in Hospital at end of 1918.	Remarks.
Carried forward ...	26	416	51	442	19	
GENERATIVE FEMALE.						
Abortion ...	...	1	...	1	...	
Fibroids ...	...	2	1	2	...	
Hemorrhage Uterine ...	...	1	1	1	...	
Ovaritis ...	1	1	...	2	...	
Ovarian Tumour ...	...	1	...	1	...	
Salpingitis ...	...	1	...	1	...	
Menorrhagia ..	...	2	...	2	...	
Pregnancy ..	...	1	...	1	...	
Uterine Polypus ...	...	1	...	1	...	
AMPUTATIONS.						
Amputation of fingers ...	...	1	...	1	...	
leg ...	...	1	...	1	...	
CONNECTIVE TISSUES.						
Abscess ...	4	53	...	57	2	
Septic Arm ...	...	4	...	4	...	
,, Foot ...	5	72	...	77	3	
,, Hand ...	...	4	...	4	...	
,, Leg ...	...	9	...	9	...	
Ulcers ..	...	36	...	36	3	
INJURIES.						
Bruises ...	...	22	...	22	...	
Burn ..	...	1	...	1	...	
Cuts ...	1	18	...	19	...	
Dog bite ..	...	1	...	1	1	
Dislocated Ankle ...	...	2	...	2	...	
,, Shoulder ...	...	1	...	1	...	
,, Toe ...	...	1	...	1	...	
Gunshot Wound ...	1	2	...	3	...	
Head Injury ...	...	1	...	1	...	
FRACTURES.						
Fract. Clavicle ...	...	3	...	3	...	
,, ,, double ...	...	1	...	1	...	
,, Colles ,, ...	...	1	...	1	...	
,, Tibia ...	...	5	...	5	...	
,, Femur ...	...	1	...	1	...	
,, ,, Comp. ..	...	1	...	1	1	
,, Arm ...	...	1	...	1	...	
,, Rib ...	...	1	...	1	...	
,, Skull ...	...	1	1	1	...	
PARASITES.						
Chiggers ..	...	7	...	7	2	
Hook-worm ...	...	1	...	1	1	
Carried forward ...	38	679	54	717	32	

Return of Diseases and Deaths in 1919 at the Victoria Hospital.

Diseases.	Remaining in Hospital at end of 1918.	Yearly Total.		Total Cases Treated.	Remaining in Hospital at end of 1919.	Remarks.
		Admissions	Deaths			
Carried forward ...	38	679	54	717	32	
VIOLENCE.						
Poison Acid Carbolic ...	...	1	...	1	...	
„ „ Nitric ...	...	1	...	1	...	
MISCELLANEOUS.						
Malingering ...	...	4	...	4	...	
TOTAL ...	38	685	54	723	32	

ANNUAL REPORT

OF THE

ASSISTANT MEDICAL OFFICER, SOUTH MAHE

FOR THE YEAR 1919.

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Seventeenth Annual Report.—I have the honour to forward my seventeenth Annual Report on South Mahé District First and Second Divisions.

Health of the District.—The cases of Bacilliary Dysentery reported on in 1918 which were imported from East Africa have all disappeared, the same remark applies to jiggers (Pulex Penetrans) this disease was rampant for some years but now appears to have disappeared. During my time in the Colony we had two invasions of jiggers and both disappeared after a couple of years. It appears that the soil and conformation of the island is not favourable to the insect.

Epidemic Influenza,—This disease which was imported from Victoria appeared in South Mahé on the 27th April 1919. It sprread with an amazing quickness all over the District, whole families were prostrated and it was impossible to cope with all the cases. The public dispensary was opened free to all cases, and medicines were supplied to all. This entailed an enormous amount of hard work as at a low estimate I calculate that about two thousand people contracted the disease in the South Mahé District.

The month of May was a severe and trying one to the District as at the commencement of June the cases diminished and by the end of the month the outbreak had worn itself out.

The mortality rate was very low taking into account the severe form of the disease and the great number of cases with pulmonary complications.

There were fifteenth deaths in the District from Epidemic Influenza and I attribute this low death rate to the fact that the population of the district were all in good physical condition, and their powers of resistance to disease was hightened by the two campaigns that had been conducted by Dr J. F. Kendrick of the International Health Board. The whole population of South Mahé had all just undergone the second treatment for Ankylostomiasis, the physical health was good and when the Epidemic broke out their natural resistance to disease being much improved, they withstood the visitation much better than other parts of the Colony that had only undertaken one course of treatment.

Causes of Death in Influenza.—The cause of death in the fifteen cases was Pneumonia and the people that died were either under 4 years or above 35 years.

Vital Statistics.—As in past years I have attached tables showing a comparison of births, deaths, still-births and marriages for a period of five years 1915 to 1919.

Although we had fifteen deaths in May from Influenza yet the rate for the year was not raised, in fact there were less deaths in 1919 than for the five preceding years. Our birth rate is a little better, and the number of still-births is markedly decreased. The whole district except for the Influenza Epidemic enjoyed good health in 1919 and I attribute this to the hook worm campaign that has been so carefully carried out during the year.

I have also attached tables giving birth, death and marriages rate per 1000 for the five preceding years; this is on an estimated population to 31st December 1919 of 4900.

Principal Diseases causing Death.—The principal diseases causing death in 1919 were Influenza 15, Endocarditis 4, Senile Decay 4, Syphilis 3, and 8 deaths due to natural causes (no medical certificate).

Vaccination.—The lymph supplied was good and active. Successful first time 156. Second time 14. No unsuccessful cases; a total for the year of 170 vaccinations.

PART II.

Dispensaries.

List of patients treated at the Anse Royale Dispensary during the Year 1919.

Months.	Old.		New.		Total.
	Males.	Females.	Males.	Females.	
January ...	16	13	5	10	44
February ...	14	8	3	12	37
March ...	12	15	5	9	41
April ..	8	13	8	8	37
May ...	44	27	102	138	311
June ...	13	10	7	13	43
July ...	10	9	2	8	29
August ...	14	13	4	5	36
September ...	12	14	4	5	35
October ...	19	16	4	6	45
November ...	17	8	1	7	33
December ...	13	15	5	13	46

Vaccination successful: 1st time 156. 2nd time 14; Total for the year: 170.

JOHN THOS. BRADLEY,
Assist. Medical Officer, South Mahé.

Anse Royale, 21st February, 1920.

TABLE OF DISEASES, CAUSING DEATH IN SOUTH MAHÉ

1st AND 2nd DIVISIONS DURING 1919.

Causes of Deaths	Under 1 year	Under 5 years	Under 20 years	Under 30 years	Under 40 years	Under 50 years	Under 60 years	Under 80 years	Under 90 years	Over 90 years	Total	Remarks
Asthma ...	...	2	...	...	..	...	.	...	...	...	2	
Brights Disease ...	...	...	...	...	...	...	1	...	...	...	1	
Broncho Pneumonia ...	1	...	...	...	...	.	...	...	...	..	1	
Carcemona of Liver ...	...	...	...	...	...	...	1	...	.		1	
Endocarditis ...	...	1	...	...	1	...	...	3	...	...	5	
Gastritis ...	...	1	...	..	...	...	...	...	...	..	1	
Gastro Enteritis ...	2	...	..	...	.	...	...	...	.	...	2	
Hemiplegia ...	...	...	..	...	...	...	1	...	...	...	1	
Hereditary Syphilis ...	2	1	...	...	..	...	...	...	...	..	3	
Influenza ...	1	4	..	1	5	2	..	2	...	...	15	
Internal obstructions ...		1	...	...	...	...	...	.	...	...	1	
Marasmus ...	3	...	..	...		..	...	..	...	...	3	
Natural causes ...	2	1	...	1	...		...	3	1	...	8	
Pernicious anæmia ...	..	...	...	1	...	..	...		...	.	1	
Pneumonia ...	...	...	...	...	..	1	...	...	...	...	1	
Pneumonia Influenza ...	...	..	.	...	1	...	...	...	..	...	1	
Pulmonary Tuberculosis ...	..	...	...	...		...	1	..	...	.	1	
Rheumatic Fever ...	...	...	...	...	...	...	1	...	.	...	1	
Syphilis ...	...	..	...	...	.	1	1		.	...	2	
Senile Decay ..	...	...			..		...	3	1	...	4	
Tetanus ...	...	...	...	...	1	..	..	...	...	..	1	
	11	11	...	3	8	4	6	11	2	...	56	

COMPARATIVE TABLES OF THE AGES AT WHICH DEATH OCCURRED DURING THE YEARS 1915 TO 1919.

Years	Under 1 year	Under 5 years	Under 20 years	Under 30 years	Under 40 years	Under 50 years	Under 60 years	Under 80 years	Under 90 years	Over 90 years	Total and Remarks.
1915	9	21	6	6	7	3	6	14	2	2	76 deaths during 1915
1916	10	7	3	4	4	8	7	12	3	1	59 „ „ 1916.
1917	12	22	4	2	4	8	4	14	4	...	73 „ „ 1917.
1918	7	8	4	4	7	2	5	15	3	4	59 „ „ 1918.
1919	11	11	...	3	8	4	6	11	2	...	56 „ „ 1919.

COMPARATIVE TABLES OF BIRTHS, DEATHS AND STILL-BIRTHS DURING THE YEARS 1915 TO 1919.

Years	Births	Deaths	Still-births	Remarks.
1915	161	76	18	
1916	168	59	11	
1917	151	73	13	
1918	131	59	11	
1919	140	56	7	

BIRTHS, DEATHS, STILL-BIRTHS AND MARRIAGES FROM 1915 TO 1919.

Years	Births per 1000	Deaths per 1000	Still-Births per 1000	Marriages per 1000	Remarks.
1915	33·64	15·88	3·76	3·97	19 marriages in 1915.
1916	35·10	12.30	2·30	3·55	17 „ 1916
1917	31·63	15·20	2·70	2.70	13 „ 1917
1918	27·00	12·17	2·27	2·27	11 „ 1918
1919	28·57	11·43	1·42	2·65	13 „ 1919

ANNUAL REPORT

OF THE

MEDICAL SUPERINTENDENT, LUNATIC ASYLUM

FOR THE YEAR 1919.

——(o)——

THIRTEENTH ANNUAL REPORT.—I have the honour to forward my thirteenth Annual Report on the Anse Royale Lunatic Asylum.

HEALTH OF INMATES IN 1919.—There was an outbreak in May of 1919 of Epidemic Influenza, both departments male and female were attacked, it was necessary to take police to replace attendants that were unable to do duty. In the female department there was one death due to the epidemic.

Except for the Influenza epidemic all the patients enjoyed good health during the year, there were three deaths in the Asylum for the year all in the female department.

UPKEEP OF THE ASYLUM.—The average number of patients for the year was 22 ; the daily average cost for maintenance was 60 cents or Rs 15.30 for the month. We had during the year an average of four paying patients who have contributed for the year the sum of Rs 736.25 towards their cost of maintenance. Attached to this report in Appendix D. is a table showing the number of patients for each month, their cost and the amount contributed by paying patients.

ASYLUM EXPENDITURE IN 1919.

	Rs	c.
Maintenance	6,047	18
Upkeep of Asylum	95	95
Travelling Expenses	4	50
Uniform for Attendants	175	00
Total Expenditure 1919 ...	6,322	63
Less amount paid by paying patients	736	25
	5,586	38
Salaries of Medical Superintendent, Attendants, Porter and Cook	2,741	31
Total cost of Asylum for 1919 ...	8,327	69
The total amount voted for upkeep of Asylum was ...	9,479	00
Balance in favour 31st December 1919	1,151	31

DIETING.—There was no contracter except for certain colonial produce ; the food and rations supplied during the year was of good quality.

ADMISSIONS AND DISCHARGES.—Six new patients were admitted, six males, no female.

There were discharged as cured two males and one female and there died three females.

On the 31st December there were twenty-three patients in the Asylum : thirteen males and ten females, including one male out on trial. Since the Asylum was opened in 1906 there were admitted one hundred and one patients up to 31st December 1919. During that period twenty-eight patients were discharge as cured, three as relieved, three not improved and forty-five died ; the recovery rate is 27·72 per cent.

AMUSEMENTS.—As in past years various means are taken to keep the patients amused and to make them comfortable and happy, there is a weekly dance, and weather permitting, walks, along the neighbouring hills. In the wards, games, such as cards, dominoes, draughts etc. are provided and there is a small supply of illustrated journals given by friends of the Asylum.

ADDITIONAL ACCOMMODATION.—In 1920 provision has been made for additional cells in the female department, this is a work of pressing necessity and will add greatly to the comfort of the inmates.

JOHN THOS : BRADLEY,
Medical Superintendent,
Lunatic Asylum.

21st February, 1920.

Appendix A.

STATISTICAL TABLES SHOWING THE ADMISSIONS, RE-ADMISSIONS DISCHARGES AND DEATHS DURING THE YEAR ENDING THE 31st DECEMBER 1919.

	Males	Females	Total	Males	Females	Total
In Asylum 1st January 1919, including those out on trial	...	...	...	9	14	23
Cases admitted during 1919						
First admission	6	...	6	...	...	...
Not first admission	...	...	...	...	...	...
Total cases under care during the year ...	6	...	6	9	14	23
Cases discharged during 1919.						
Recovered	2	1	3	...	...	...
Relieved	...	...	...	...	...	...
Not improved	...	...	...	...	...	...
Died	...	3	3	...	...	...
Total cases discharged and died during the year	2	4	6	...	...	..
Remaining in Asylum.						
31st December, 1919, including those out on trial	...	...	...	13	10	23

Appendix B.

TABLE SHOWING THE ADMISSIONS, DISCHARGES, DEATHS FOR EACH YEAR FROM THE OPENING OF THE ASYLUM 13th MARCH 1906.

Year	Admitted.			Discharged.									Died.			Remaining in Asylum including those out on trial 31st Dec. each year			Remarks
				Recovered.			Relieved.			Not improved.									
	M.	F.	T.	M	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1906	2	2	4	...	...	...	...	...	...	...	...	...	1	...	1	1	2	3	
1907	3	3	6	...	...	...	...	...	...	...	...	...	...	...	..	4	5	9	
1908	7	1	8	2	...	2	1	...	1	...	...	...	3	1	4	5	5	10	
1909	12	2	14	4	...	4	...	...	...	...	...	...	...	...	...	13	7	20	
1910	3	3	6	2	1	3	...	...	...	...	...	...	1	...	1	13	9	22	
1911	4	3	7	2	1	3	...	...	...	...	...	...	4	...	4	11	11	22	
1912	5	2	7	3	1	4	1	...	1	1	...	1	2	2	4	9	10	19	
1913	2	5	7	2	1	3	...	...	...	...	...	...	1	...	1	8	14	22	
1914	5	3	8	...	1	1	...	1	1	...	...	...	1	2	3	12	13	25	
1915	3	6	9	1	...	1	...	...	...	...	...	..	2	3	5	12	16	28	
1916	4	2	6	1	1	2	...	...	...	...	...	...	1	7	8	14	10	24	
1917	1	2	3	...	...	...	...	...	...	1	1	2	2	2	4	12	9	21	
1918	2	9	11	2	...	2	...	...	...	...	...	...	3	4	7	9	14	23	
1919	6	...	6	2	1	3	...	...	...	...	...	...	...	3	3	13	10	23	

Appendix C.

TABLE SHOWING CONDITION AS TO MARRIAGE, PROBABLE CAUSE OF INSANITY, MENTAL DISEASE AND OCCUPATION OF PATIENTS FOR THE YEAR 1919.

Condition in reference to Marriage.	Males	Females	Total.
Married ...	1	3	4
Single ...	9	3	12
Widow ...	...	2	2
Widower ...	3	...	3
Unknown ...	...	2	2
	13	10	23

Probable causes of Insanity	Males	Females	Total.
Moral.			
Domestic trouble ...	...	1	1
Adverse circumstances ...	...	1	1
Mental anxiety and worry ...	..	...	...
Religious excitement ...	...	1	1
Love affairs ...	...	...	...
Fright and nervous shock ...	...	...	...
Physical.			
Intemperance in drink ...	2	...	2
„ sexual ..	...	...	...
Venereal disease ...	6	...	6
Self abusive sexual ...	2	..	2
Over exertion ...	...	...	...
Sunstroke ...	...	...	...
Accident or injury ...	...	...	...
Pregnancy ...	...	1	1
Parturition and the puerpural state	...	...	...
Lactation ...	...	...	..
Uterine and ovarian disorders ...	...	...	...
Puberty ...	...	1	1
Change of life ...	...	1	1
Fevers ...	...	...	...
Privation and starvation ...	...	...	...
Old age ...	1	2	3
Other bodily disease and disorders...	...	...	...
Previous attack ...	...	...	...
Hereditary influences ...	2	...	2
Congenital defect ...	...	...	...
Other ascertained causes ...	...	...	...
Unknown ...	...	2	2
	13	10	23

Form of Mental Disease	Males	Females	Total.
Congenital or Infantile Mental.			
(a) with Epilepsy ...	...	...	...
(b) without Epilepsy ...	...	...	...
Epilepsy acquired ...	...	...	...
General paralysis of the Insane ...	...	...	...
Mania.			
Acute ...	1	1	2
Chronic ...	6	5	11
Recurrent ...	1	...	1
A. Totu ...	...	...	...
Puerpural ...	1	2	3
Senile ...	1	...	1
Melancholia.			
Acute ...	...	...	...
Chronic ...	1	2	3
Recurrent ...	2	...	2
Puerpural ...	...	...	...
Senile ...	...	...	...
Dementia.			
Primary ...	...	...	...
Secondary ...	...	...	...
Senile ...	...	...	...
Organic (Coarse Brain, Disease etc.)	...	...	...
Not Insane			
	13	10	23

Occupation.	Males	Females	Total.
Clerk ...	1	...	1
Labourer ...	11	...	11
Planter ...	1	...	1
Sailor ...	...	..	...
Carpenter ...	...	...	...
Overseer ...	...	...	...
Proprietor ...	...	...	...
Merchant ...	...	...	...
Mason ...	...	...	...
Nurse ...	...	...	...
Cook ...	...	1	1
Seamstress ...	...	...	...
Washerwoman ...	...	2	2
Tailor ...	...	...	...
Barber ...	...	...	...
No profession ...	...	5	5
Unknown ...	...	2	2
Total .	13	10	23

Appendix D.

TABLE SHOWING THE NUMBER OF PATIENTS FOR EACH MONTH IN THE ASYLUM, THEIR COST AND THE AMOUNT CONTRIBUTED BY PAYING PATIENTS TOWARDS MAINTENANCE FOR 1919.

Month	No. of patients			Cost						Cost of Washing per month for a patient		No. of Paying patients			Total amount contributed by paying patients		Class of paying patients		Remarks
				Total daily		Per Head		Patient per month											
	Males	Females	Total	Rs	c.	Rs	c.	Rs	c.	Rupees	cents	Males	Females	Total	Rupees	cents	1st Class	2nd Class	
January ...	9	13	22	13	88	...	53	16	55	...	88	1	2	3	48	87	...	3	
February ...	10	13	23	14	65	...	54	15	51	...	75	2	2	4	56	31	1	3	
March ...	10	12	22	15	36	...	57	17	64	...	72	2	2	4	83	...	1	3	
April ...	10	12	22	15	71	..	60	18	12	...	91	2	2	4	81	...	1	3	
May ...	10	11	21	16	08	...	64	19	94	...	77	2	2	4	83	...	1	3	
June ...	10	11	21	15	29	...	61	18	35	..	76	2	2	4	52	07	1	3	
July ...	10	11	21	15	05	...	72	18	67	...	92	1	2	3	51	...	...	3	
August ...	10	11	21	15	...	...	60	18	59	...	72	1	2	3	51	...	...	3	
September ...	12	11	23	15	07	...	56	16	75	...	67	1	2	3	50	...	...	3	
October ...	12	11	23	15	86	...	59	18	21	...	79	1	2	3	51	...	...	3	
November ...	12	11	23	17	46	...	65	19	40	...	68	2	2	4	78	...	1	3	
December ...	12	10	22	15	19	...	58	18	11	...	87	1	2	3	51	...	...	3	

Appendix H.

STAFF OF ANSE ROYALE LUNATIC ASYLUM, YEAR ENDING 31st DECEMBER 1919.

Name.	Rank.	Date of appointment	Salary per annum	Emoluments	Remarks.
John Thomas Bradley, M.D.	Medical Supt.	1. 3.1906	Rs 500	...	Is also A. M. O. and J. P. South Mahé.
Ervélien Saint Ange ...	Head Male Attendant	1. 3.1906	„ 600	Uniform and rations	Act also as officer of the Civil Status and Dispenser and Clerk to A. M. O. S. Mahé.
Mrs Fernand Hoareau ...	Head Female Attendant	19. 7.1915	„ 360	do	... ...
François Morel ...	1st Class Male Attendant	1. 1.1913	„ 300	do	Resigned the service due to ill-health on 15.6.19. Vide M. P. E49/1919.
Fernand Hoareau ...	do do	19. 8.1913	„ 300	do	... ...
Louis André ...	3rd Class Male Attendant	16. 6.1919	„ 180	do	... ...
Mrs François Morel ...	2nd Class Female Attendant	12.10.1914	„ 240	do	Resigned the service due to ill-health on 28.2.19.
Blanche Stevenson ...	3rd Class Female Attendant	1.3. 1919	„ 180	do	... ...
Elfrida Clothilde ...	do do	16.11.1918	„ 180	do	Resigned the service on the 30th September 1919.
Mrs W. James Germain ..	2nd Class Female Attendant	1.10.1919	„ 240	do	... ...
Charles Saint Ange ...	Cook	1. 7.1910	„ 240	No uniform (rations)	... ...
Marc Duperrel ...	Gate Porter	1. 3.1912	„ 144	do	... ...